WHATCOM COUNTY PUBLIC WORKS DEPARTMENT

Elizabeth Kosa Director



ADMINISTRATION

CIVIC CENTER 322 N. Comercial Street, 4th Floor Bellingham, WA 98225 Telephone: (360) 778-6200 FAX: (360) 778-6201

MEMORANDUM

TO:	The Honorable Satpal Singh Sidhu, County Executive		
	Honorable Members of the Whatcom County Council		
FROM:	Elizabeth Kosa, Public Works Director Approved by email/EKOSG/C Russell		
DATE:	March 30, 2022		
RE:	BID #23-23 Drydocking, Repair, and Maintenance of the Whatcom Chief Ferry		

Requested Action

Per WCC 3.08.100, Public Works requests the Council's approval to award Bid #23-23, and authorize the County Executive to enter into a subsequent contract between Whatcom County and Lake Union Drydock Company for the annual drydocking, repair and maintenance of the Whatcom Chief Ferry, in the amount of \$ 863,381.00.

Background and Purpose

Bids were duly advertised and submitted for the annual drydocking, repair and maintenance of the Whatcom Chief Ferry. This work is contracted out annually by the Public Works Equipment Services Division. Two shipyards (Lake Union Drydock Co., and Nichols Brothers Boat Builders) attended the mandatory pre-bid meeting held onboard the Whatcom Chief Ferry, Thursday, March 9, 2023. One bid response was received Tuesday, March 28, 2023. This year's drydock is anticipated to take approximately 22 days, from Saturday April 29, 2023, through Saturday, May 20, 2023. Listed below is the bid tabulation for the one responsive and responsible bid received.

DRYDOCKING, REPAIRS, & MAINTENANCE OF THE WHATCOM CHIEF (2023)

VENDOR	TOTAL
Lake Union Drydock Company	\$ 863,381.00

Funding Amount and Source

Adequate funds exist within the 2023 ER&R fund budget for repairs and maintenance as approved during the 2023-2024 budget process.

Please contact Elizabeth Kosa at extension 6282 if you have any questions or concerns.

In accordance with W.C.C. 3.08.030, I concur with this recommendation:

Digitally signed by Sara Winger DN: cn=Sara Winger, o=Whatcom County AS Finance, ou=Senior Purchasing Coordinator, email=swinger@co.whatcom.wa.us, c=US 'Date: 2023.03.31 08:58:16 -0700 Adobe Acrobat version: 2020.005,30441

Sara Winger, Senior Purchasing Coordinator

Date

WHATCOM COUNTY PUBLIC WORKS DEPARTMENT

Elizabeth Kosa Director



ADMINISTRATION

CIVIC CENTER 322 N. Comercial Street, 4th Floor Bellingham, WA 98225 Telephone: (360) 778-6200 FAX: (360) 778-6201

Drydocking, Repair, and Maintenance of the Whatcom Chief Ferry BID #23-23

APPROVAL FOR CONTRACT AWARD

Approval is hereby granted to award the Contract as follows:

- Project: Drydocking, Repair, and Maintenance of the Whatcom Chief Ferry
- To: Lake Union Drydock Company

In the amount of their bid proposal \$863,381.00 including all taxes.

Whatcom County Executive Approving Authority

Date

Approved Via Email-CQ/CR Christopher Quinn Senior Civil Deputy Prosecuting Attorney

Date

WHATCOM COUNTY BID OPENING RESULTS

The following information is a record of bidders and their bid totals as received at the time of the bid opening. All bids are subject to review by the requesting department and approval by the County Executive and the County Council. A formal award or rejection notice and tabulation will be issued to all participants or to any interested people once the bid has been awarded.

BID #23-23 Drydocking, Repair, and Maintenance of the Whatcom Chief Ferry

Public Works – Ferry/Equipment Services

2:30 PM Tuesday, March 28, 2023

Engineer's Estimate \$893,583.00

BIDDER	BID	ADDENDA	TOTAL BID AMOUNT
	BOND	(1)	(for award purposes only) ¹
Lake Union Drydock Company	~	~	\$ 888,381.00

¹ Total Bid Amount (for award purposes only) includes \$25,000.00 for all shipyards located outside of Whatcom County to provide a fair comparison of bids received by accounting for estimated costs to the County for per diem of Whatcom Chief Ferry crew members. The subsequent bid award and contract amount will not include the \$25,000.00.

Distribution List – Pg 1/2 2023 Drydocking, Repair, and Maintenance of the Whatcom Chief Ferry Whatcom County Bid #23-23 (Deadline: 2:30 PM, Tuesday, March 28, 2023)

Direct all questions in writing to: Rich Hudson, rhudson@co.whatcom.wa.us, and cc: Elizabeth Kosa, ekosa@co.whatcom.wa.us

Note: All bid c	Note: All bid questions must be submitted in writing, and no later than end of day on Tuesday, March 14, 2023.			
Pre-bid Meeting:	Mandatory – 11:00 AM, Thursday, March 9, 2023; on board the Whatcom Chief Ferry			
Engineer's Estimate:	\$ 800,000 - \$ 1,000,000			
Addenda:	#1, Issued 03/20/2023			
Plans & Specs: Download available at no charge from <u>http://www.whatcomcounty.us/Bids.aspx</u>				
The Bid Opening will be held live at https://meet.goto.com/273232365. See the last page of this Distribution List for details.				

		Primary		Phone	
	Company Name (Alphabetical)	Contact Name	Email Address	Number	Comments
1	Bidnet	Kurt Bidnet	gbs@bidnet.com	800-677-1997	Plan Center
2	Construction Bid Source	Martie Lantz	mlantz@constructionbidsource.com	888-786-9450	Plan Center
3	Contractor Plan Center	Brie Kidwell	brie@contractorplancenter.com	503-650-0148	Plan Center
4	DJC	Plan Center	plans@djc.com	206-622-8272	Plan Center
5	Everett Ship Repair	Matt Wallberg	MattW@EverettShipRepair.com	360-305-0233	Prime
c	Everett Shin Densir LLC	Covin Higging	anvinh Onich alshaats com	260 622 0020	Plan Center, Prime, Electrical, HVAC, Plumbing, Rebar Installation, Structural Steel Installation,
6	Everett Ship Repair LLC		gavinh@nicholsboats.com		Other Subcontractor, Supplier
7	Lake Union Drydock Co.	Jim Leupold	leupoldj@ludd.com	425-512-7370	Prime
8	Nichols Bros Boat Builders	Karena Helley	karenah@nicholsboats.com	360-331-5310	
9	North America Procurement Council, Inc. PBC	Eric Johnson	bids@napc.me	302-450-1923	
10	Prime Vendor Inc.	Bid Clerk	primevendor123@gmail.com	800-746-9554	
11	Spokane Regional Plan Center	Robyn Stevens	projectinfo@plancenter.net	509-328-9600	Plan Center
12	Strider Construction Inc	Abdul Taufik	abdult@striderconstruction.com	360-813-8132	Prime
13	Tri-City Construction Council	Bid Information	bidinfo@tcplaancenter.com	509-582-7424	Plan Center
14	Vigor Marine, LLC	Alethea Garcia	alethea.garcia@vigor.net	503-516-6039	Prime
15	visualinfomedia	sivakumar N	techzone@visualinfomedia.com	347-480-1475	
16	Western Contruction Resources	Dawn Harju	info@wcrinc.com	360-738-0370	

Distribution List – Pg 2/2 2023 Drydocking, Repair, and Maintenance of the Whatcom Chief Ferry Whatcom County Bid #23-23 (Deadline: 2:30 PM, Tuesday, March 28, 2023)

 Direct all questions in writing to:
 Rich Hudson, rhudson@co.whatcom.wa.us, and cc: Elizabeth Kosa, ekosa@co.whatcom.wa.us

 Note: All bid questions must be submitted in writing, and no later than end of day on Tuesday, March 14, 2023.

 Pre-bid Meeting:
 Mandatory – 11:00 AM, Thursday, March 9, 2023; on board the Whatcom Chief Ferry

 Engineer's Estimate:
 \$ 800,000 - \$ 1,000,000

 Addenda:
 #1, Issued 03/20/2023

Plans & Specs: Download available at no charge from <u>http://www.whatcomcounty.us/Bids.aspx</u>

The Bid Opening will be held live at https://meet.goto.com/273232365. See the last page of this Distribution List for details.

ATTENDEES AT THE MANDATORY PRE-BID MEETING:

Elliott Bay Design Group Lake Union Drydock Company Nichols Boat Builders Tri County Diesel Marine

Whatcom County Public Bid Opening invitation:

Please join my meeting from your computer, tablet, or smartphone.

https://meet.goto.com/273232365

You can also dial in using your phone.

(For supported devices, tap a one-touch number below to join instantly.)

United States: +1 (571) 317-3129

- One-touch: tel:+15713173129,,273232365#

Access Code: 273-232-365

Get the app now and be ready when your first meeting starts:

https://meet.goto.com/install

2023 DRYDOCK BID COMPARISION BID #23-23

		ENGINEER'S ESTIMATE	LAKE UNION DRYDOCK CO
ITEM #	ITEM DESCRIPTION	BID AMOUNT	BID AMOUNT
1	Drydock Vessel	\$ 124,207.00	\$ 81,902.00
2	Services	\$ 11,365.00	\$ 37,384.00
3	Tent Vessel	\$ 12,525.00	\$ 18,371.00
4	Underwater Hull	\$ 18,375.00	\$ 20,596.00
5	Freeboard	\$ 23,915.00	\$ 25,507.00
6	Deck Preparation	\$ 9,529.00	\$ 5,456.00
7	Flow-Chart Project Plan	\$ 1,259.00	\$ 807.00
8	Internal Compartments	\$ 45,058.00	\$ 46,090.00
9	Sea Valves and Sea Chest Maintenance	\$ 24,969.00	\$ 9,207.00
10	Replace All Zincs	\$ 13,913.00	\$ 13,630.00
11	Channel Coolers	\$ 9,011.00	\$ 13,643.00
12	Inspect / Repair Porpellers	\$ 5,806.00	\$ 12,787.00
13	Rudders	\$ 6,441.00	\$ 33,084.00
14	Intermediate Shaft Bearings Replacements	\$ 18,185.00	\$ 11,048.00
15	Tailshaft and Tailshaft Bearings	\$ 48,766.00	\$ 24,029.00
16	Seal Shaft Maintenance	\$ 14,045.00	\$ 19,657.00
17	Annual Radar and Radio Maintenance	\$ 6,866.00	\$ 3,436.00
18	Throttle Acuator Box	\$ 6,805.00	\$ 6,506.00
19	Main Engine Maintenance and Generator Maintenance	\$ 73,715.00	\$ 143,456.00
20	Reduction Gear Maintnenace	\$ 4,390.00	\$ 3,123.00
21	Fire Suppression System Inspection and Testing	\$ 4,065.00	\$ 3,689.00
22	Pressure Wash Stern Tubes	\$ 2,757.00	\$ 7,001.00
23	Shaft Cooling System Maintenance and Upgrade	\$ 32,648.00	\$ 14,583.00
24	Install New Shaft Tachometers	\$ 19,030.00	\$ 27,382.00
25	Install NFU Steering Controls	\$ 18,117.00	\$ 20,399.00
26	Replace Search Lights	\$ 28,709.00	\$ 17,966.00
27	Void Vents	\$ 32,169.00	\$ 12,072.00
28	Steering Gear Bildge Suctions	\$ 9,062.00	\$ 5,731.00
29	Engine Room Ventilation Modifications	\$ 14,869.00	\$ 22,720.00
30	Replace Passenger Cabin Window	\$ 2,933.00	\$ 9,183.00
31	New Cable Penetrations	\$ 12,315.00	\$ 8,545.00
32	Electrical Support	\$ 1,877.00	\$ 1,064.00
33	Condition and Valuation Survey	\$-	\$ 14,568.00
34	Dock and Sea Trials	\$ 4,656.00	\$ 18,759.00
35	Miscellaneous Works	\$ 150,000.00	\$ 150,000.00
	Subtotal (Bid Award Amount)	\$ 812,352.00	\$ 863,381.00
	Outside Whatcom County Shipyard. If YES, Add \$25,000		\$ 25,000.00
	Subtotal Contigency (+10%)	\$ 81,235.20	
	TOTAL	\$ 893,587.20 *	\$ 888,381.00

*Total published for Engineer's Estimate was \$893,583.00 due to rounding

3/30/2023

BID PROPOSAL

2023 DRYDOCKING, REPAIR, AND MAINTENANCE OF THE WHATCOM CHIEF

Date: March 28, 2023

To: Whatcom County Executive and Council Whatcom County Courthouse 311 Grand Avenue Bellingham, WA 98225

Gentlepersons:

This certifies that the Undersigned has examined the Whatcom Chief and the conditions of work, and has carefully read and thoroughly understands the contract documents entitled "2023 Drydocking, Repair, and Maintenance of the Whatcom Chief", including the <u>Bid</u> <u>Procedures and Conditions</u> and <u>Specifications and Conditions</u> sections governing the work embraced in this project, and the method by which payment will be made for said work.

The Undersigned hereby proposes to undertake and complete the work embraced in this project in accordance with said contract documents, and agrees to accept as payment for said work, the schedule of lump sum and unit prices for the estimated quantities and items of work as set forth in the Bid Proposal below.

The Undersigned acknowledges that payment will be based on the actual work performed, as measured or provided for in accordance with the said contract documents, and that no additional compensation will be allowed for any taxes not otherwise included in each lump sum or unit price, and that the basis for payment will be the actual work performed and measured or provided for in accordance with the said contract documents.

Company Name: Lake Union Drydock Company

Submitted By: G.H. "Hobie" Stebbins III, President

(Name and Title)

Julita I

) MAINTENANCE OF THE WHATCOM CHIEF

ITEM NO.	QUANTITY	ITEM AND WRITTEN UNIT PRICE	UNIT PRICE		TOTAL
		DRYDOCKING VESSEL			
1	LUMP SUM		L.S.	\$	81,90
		Eighty One Thousand Nine Hundred Two Dollars and No Cents			
		SERVICES			
2	LUMP SUM	Thirty Seven Thousand Three Hundred Eighty Four Dollars and No	L.S.	\$	37,3
		Cents			
	TENT VESSEL			-	
3	LUMP SUM	Eighteen Thousand Three Hundred Seventy One Dollars and No	L.S.	\$	18,3
		Cents			· ·
		UNDERWATER HULL			
4	LUMP SUM		L.S.	\$	20,5
		Twenty Thousand Five Hundred Ninety Six Dollars and No Cents		Ť	
		FREEBOARD			
5	LUMP SUM	INCLEDOAND	L.S.	\$	25,5
v	LOWI COM	Twenty Five Thousand Five Hundred Seven Dollars and No Cents	L.O.	L.	20,00
		DECK PREPARATION			
6	LUMP SUM	Five Thousand Four Hundred Fifty Six Dollars and No Cents	L.S.	\$	5,45
		FLOW-CHART PROJECT PLAN			
7 LUMP SUM	LUMP SUM	L.S.	\$	8	
		Eight Hundred Seven Dollars and No Cents			
8	LUMP SUM		L.S.	\$	46,0
		Forty Six Thousand Ninety Dollars and No Cents			
9	LUMP SUM	SEA VALVES AND SEA CHEST MAINTENANCE	L.S.	\$	9,2
		Nine Thousand Two Hundred Seven Dollars and No Cents	2.0,	Ψ	0,20
		REPLACE ALL ZINCS			
10	LUMP SUM		L.S.	\$	13,63
		Thirteen Thousand Six Hundred Thirty Dollars and No Cents			
		CHANNEL COOLERS			
11	LUMP SUM		L.S.	\$	13,6
		Thirteen Thousand Six Hundred Forty Three Dollars and No Cents			_
		INSPECT / REPAIR PROPELLERS			
12	LUMP SUM	Twelve Thousand Seven Hundred Eighty Seven Dollars and No	L.S.	\$	12,7
		Cents		_	
		RUDDERS			
13	LUMP SUM	Thirty Three Thousand Eighty Four Dollars and No Cents	L.S.	\$	33,08
		INTERMEDIATE SHAFT BEARINGS MAINTENANCE			
14	LUMP SUM		L.S.	\$	11,0
		Eleven Thousand Forty Eight Dollars and No Cents TAILSHAFTS AND TAILSHAFT BEARINGS			
15	LUMP SUM	TAILOTAFTO AND TAILOTAFT BEAKINGS	L.S.	\$	24,0
		Twenty Four Thousand Twenty Nine Dollars and No Cents			= .1*

page 8 of 47 Whatcom Co. Bid #23-23

ITEM NO.	QUANTITY	ITEM AND WRITTEN UNIT PRICE	UNIT		TOTAL
		SHAFT SEAL MAINTENANCE	1118.04		
16	LUMP SUM		L.S.	\$	19,65
		Nineteen Thousand Six Hundred Fifty Seven Dollars and No Cents			
		ANNUAL RADAR AND RADIO MAINTÉNANCE			
17	LUMP SUM		L.S.	\$	3,43
		Three Thousand Four Hundred Thirty Six Dollars and No Cents		1 C	-,
		THROTTLE ACTUATOR BOX		-	
18	LUMP SUM		L.S.	\$	6,50
		Six Thousand Five Hundred Six Dollars and No Cents		-	
	×	MAIN ENGINE MAINTENANCE AND GENERATOR MAINTENANCE			
19	LUMP SUM		L.S.	\$	143,45
		One Hundred Forty Three Thousand Four Hundred Fifty Six Dollars			
		and No Cents			
		REDUCTION GEAR MAINTENANCE			0.40
20	LUMP SUM		L.S.	\$	3,12
		Three Thousand One Hundred Twenty Three Dollars and No Cents FIRE SUPPRESSION SYSTEM INSPECTION AND TESTING			
		FIRE SUPPRESSION SYSTEM INSPECTION AND TESTING			
21	LUMP SUM		L.S.	\$	3,68
		Three Thousand Six Hundred Eighty Nine Dollars and No Cents			
		PRESSURE WASH STERN TUBES			
22	LUMP SUM	Seven Thousand One Dollars and No Cents	L.S.	\$	7,00
		SHAFT COOLING SYSTEM MAINTENANCE AND UPGRADES		-	
		SHAFT COOLING STSTEM MAINTENANCE AND OF GRADES			
23	LUMP SUM		L.S.	\$	14,58
		Fourteen Thousand Five Hundred Eighty Three Dollars and No		1	
		Cents			
		INSTALL NEW SHAFT TACHOMETERS			
24	LUMP SUM	Dollars	L.S.	\$	27,38
²⁷	LOWI COM	Twenty Seven Thousand Three Hundred Eighty Two Dollars and	L.0.	Ψ	27,00
		No Cents			
		INSTALL NFU STEERING CONTROLS			
25	LUMP SUM	Twenty Thousand Three Hundred Ninety Nine Dollars and No	L.S.	\$	20,39
		Cents			
		REPLACE SEARCH LIGHTS			
26	LUMP SUM		L.S.	\$	17,96
		Seventeen Thousand Nine Hundred Sixty Six Dollars and No Cents			
		VOID VENTS			
27	LUMP SUM	Turker Theorem 1.0 method Turk Delland and March 1	L.S.	\$	12,07
		Twelve Thousand Seventy Two Dollars and No Cents STEERING GEAR BILGE SUCTIONS		-	
		STEERING GEAR BILGE SUCTIONS			
28	LUMP SUM		L.S.	\$	5,73
		Five Thousand Seven Hundred Thirty One Dollars and No Cents			
		ENGINE ROOM VENTILATION MODIFICATIONS			
29	LUMP SUM	Twenty Two Thousand Seven Hundred Twenty Dollars and No	L.S.	\$	22,72
		Cents			
		REPLACE PASSENGER CABIN WINDOW			
30	LUMP SUM		L.S.	\$	9,18
		Nine Thousand One Hundred Eighty Three Dollars and No Cents			
		NEW CABLE PENETRATIONS		1	
31	LUMP SUM		L.S.	s	8,54
		Eight Thousand Five Hundred Forty Five Dollars and No Cents		ľ	0101
		Light mousand rive nundred rony rive Dollars and NO Cents		_	

ITEM NO.	QUANTITY	ITEM AND WRITTEN UNIT PRICE	UNIT PRICE		TOTAL
32	LUMP SUM	ELECTRICAL SUPPORT	L.S.	\$	1,064
02	One Thousand Sixty Four Dollars and No Cents	L.O.	Ŷ	1,004	
		CONDITION AND VALUE SURVEY			
33	LUMP SUM		L.S.	\$	14,568
		Fourteen Thousand Five Hundred Sixty Eight Dollars and No Cents			
		DOCK AND SEA TRIALS			
34	LUMP SUM	Eighteen Thousand Seven Hundred Fifty Nine Dollars and No	L.S.	\$	18,759
		Cents			
05	CHANGE ORDER PRE-	MISCELLANEOUS WORK			
35	APPROVAL REQUIRED	One Hundred Fifty Thousand Dollars and No/Cents	L.S.	\$	150,000
		TOTAL I		\$	863,381

		TOTAL BID AMOUNT (FROM ABOVE)	\$ 863,381
Outside of Whatcom County Shipyard? YES	If yes , then add \$25,000, if NO , then add \$0.00 per Notice to Bidders (page 4)	Enter here	\$ 25,000
		TOTAL BID AMOUNT FOR AWARD PURPOSES ONLY ²	\$ 888,381

The total bid amount listed above includes a contingency amount of up to \$150,000 as reflected in Work Item 35 - Misc. Work. If

the additional miscellaneous work items provided in that item are not performed or are performed to a lesser extent that results in a charge less than the full \$150,000, the total amount to be paid on the work performed under this contract will be reduced accordingly from the total listed here.

² The "total bid amount for award purposes only" will not be included in the awarded contract amount and only used for determining the overall lowest responsive bidder.

Page 10 of 47 - Whatcom Co Bid #23-23

Pg 10 of 47 Whatcom Co. Bid #23-23

SUPPLEMENTARY INFORMATION

The Undersigned Bidder hereby acknowledges that the information furnished under this section will be considered in conjunction with the bid proposal prices listed above, in the evaluation of bids for contract award.

Drydocking Location

Lake Union Drydock Company

1515 Fairview Ave. E

Seattle, WA 98102

Categories and Rates of Labor (not performed by a subcontractor)

The Undersigned Bidder certifies that all work to be performed under this Contract, except that work, which will be performed by a subcontractor when approved in advance by the County, will be performed by the following classifications of labor for the rates as shown. The Undersigned agrees to accept as payment for said work the schedule of labor classifications and rates as set forth below. In order for bid to be considered, the following rates must be listed.

Classification	Rates
Shipyard Hourly Rate	\$ 107.00
Overtime Hourly Rate	\$ 160.50
Overhead Crane Hourly Rate	\$ 50.00 plus operator + riggers
Forklift Hourly Rate - Please specify size(s)	\$ 0 phs aperator Size: up to 6000 #
	Forklift \$ Size:
	Forklift SSize:
Material Markup Rate	20 %
Subcontracted Activities Markup Rate	%
Subcontracted Activities Markup Kate	/0

SUPPLEMENTARY QUALIFICATIONS (Alt. – Submit WSDOT Form 670-079)

List projects completed or underway on this date, which are similar to the work to be performed under this contract.

Contract Amount	Type Of Work	Name of Firm, Phone Number and Contact Person
\$3,840,338	Drydocking, preservation, shaft, rudder and machinery repairs, Steel work. 2/1/23 - 4/26/23	NOAA Ship Rubin Lasker Frank Wood 206.604.7122
\$ 250,000 (approximate)	Drydocking, preservation, propulsion and machinery repairs. Steel Repairs 3/3/23 - 4/28/23	M/V Justin Foss FOSS Maritime John Brown 503.804.2617
\$ 250,000 (approximate)	Drydocking, preservation, propulsion and machinery repairs. Steel Repairs 3/24/23 - 4/14/23	M/V Cheval Rouge Amak Towing Dave Johnson 907.617.7749
\$		
\$		$\frac{1}{\lambda_{ij}} \frac{1}{ij} \frac{1}{\lambda_{ij}} \frac{1}{ij} \frac{1}{\lambda_{ij}} \frac{1}{ij} \frac{1}{\lambda_{ij}} \frac{1}{ij} 1$

Attach Additional Sheets as Necessary

NON-COLLUSION AND AFFIDAVIT

I, the undersigned, an authorized representative of Lake Union Drydock Cobeing first duly sworn on oath do hereby certify that said person(s) firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.

I further acknowledge that by signing the proposal signature page of the proposal, I am deemed to have signed and have agreed to the provisions of this non-collusion affidavit.

Signature

March 28,2023

STATE OF WASHINGTON)
) \$5
COUNTY OF King)

On this day of March 2023, before me personally appeared George H. Stebbins III, to me personally known

to be the person described in and who executed the above instrument and who acknowledged to me the act of signing thereof.



	CARA	Julie	Howe
1	NOTARY PUBLI	C in and for the Stat	e of Washington, residing at

Pierce County, WA . My commission expires 01/04/2025

BIDDER IDENTIFICATION

The name of the Bidder submitting this proposal, the address and phone number to which all communications concerned with this proposal shall be made, and the number which has been assigned indicating the Bidder is licensed to do business in the State of Washington are as follows:

Firm Name:	Lake U	Jnion Drydock Company		
Address:	1515 F	airview Ave. E		
	Seattle	e, WA 98102		
Telephone N	umber:	206.323.6400		Fax Number: 206.324.0124
Contact Nam	ne:	Julie Howe		
Contact Pho	ne	206.323.6400		
Contact Ema	il	howej@ludd.com		
Contractor's	Washing	ton Registration Number:		178 063 923
Contractor's	Washing	ton UBI Number:		178 063 923
Contractor's	Washing	ton Employment Security (Df	ES) Number:	017837 002
Contractor's	Washing	ton Excise Tax Registration N	umber:	178 063 923
The Firm subn	nitting th	is proposal is a:	Sole P	roprietorship
			Partne	ership
			🔀 Corpo	ration
		of the principal officers of th osal as principals are as follow		n submitting this proposal, or of the partnership, or of all persons
G. H. "Hobi	e" Steb	bins III, President		
W.B. Jones	, Jr. Ch	airman of the Board		
				COLUMN AND

NOTE: Signatory of this proposal must be identified above. Failure to identify the signatory will be cause for considering the proposal irregular and for subsequent rejection of the bid.

BID PROPOSAL SIGNATURE AND ADDENDUM ACKNOWLEDGMENT

The undersigned hereby agrees to reimburse its labor not less than the prevailing rates of wages or less than the hourly minimum rate of wages set forth in Part III, <u>Specifications and Conditions</u>, for this project.

A proposal guaranty in the amount of 5% of the total bid, based upon the approximate estimate of quantities at the above process and in the form as indicated below, is attached hereto.

CASHIER'S CHECK		N	DOLLARS
CERTIFIED CHECK		(\$) PAYABLE TO WHAT	COM COUNTY
PROPOSAL BOND	X	(\$ 44,419) IN THE AMOUNT OF 5	5% OF THE BID
Receipt is hereby acknowle	edged b	addendum(s) No.(s),,,,	
		SIGNATURE OF AUTHORIZED OFFICIAL(S)	
(Proposal Must Be Signed)		MATTE T	
		George H. Stebbins III	(Seal)
		IRM NAME: Lake Union Drydock Company	
STATE OF WASHINGTON)) ss.)	
On this <u>28</u> da			
HOWE HOWE	in and v	NOTARY PUBLIC in and for the State of Washington	
PUBLIC SOO	ninini Ninini	Pierce County, WA	
ATE OF WASHING	<i>i.</i>	My commission expires: 01/04/2025	

NOTE: This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Interim Director will be cause for considering the proposal irregular and for subsequent rejection of the bid.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we ____ Lake Union Drydock Company

of, Seattle, WA , as Principal, and Liberty Mutual Insurance Company

a corporation organized and doing business under and by virtue of the laws of the State of <u>Massachusetts</u>, and duly licensed to conduct a general surety business in the State of Washington as Surety, are held and firmly bound unto Whatcom County, a Municipal Corporation and Charter County in the State of Washington, in the full and penal sum of five percent (5%) of the total amount of the bid proposal of said Principal for the work hereinafter described, for which payment, well and truly to be made, we firmly bind ourselves, our heirs, executors, administrators and assigns, and successors and assigns, jointly and severally by these presents.

The condition of this bond is such that, whereas, the principal herein is herewith submitting his or its bid proposal for the **2023 Drydocking, Repair and Maintenance of the Whatcom Chief** said bid proposal, by reference thereto, being made a part hereof.

NOW, THEREFORE, if the said bid proposal submitted by the said Principal be accepted, and the contract be awarded to said Principal, and if said Principal shall duly make and enter into and execute said contract and shall furnish the performance bond as required by the bidding and contract documents within a period of fifteen (15) days from and after said award, exclusive of the day of such award, then its obligation to pay the above-mentioned penal sum as liquidated damages shall be null and void, otherwise it shall remain and be in full force and effect.

SIGNED AND SEALED, this 28th day of March	2023,
PRINCIPAL	ATTORNEY-IN-FACT, SURETY
Lake Union Drydock Company	Liberty Mutual Insurance Company
Company Name	Company Name
Signature (Seal)	Andres P. Signature
G.H. Stebbins III Print	Andrew P. Larsen, Attorney-in-Fact Print

The Attorney-in-Fact (Resident Agent) who executes this bond on behalf of the surety company must attach a copy of his Power-of Attorney as evidence of his authority.



guarantees,

value (

interest rate or residual

Not valid for mortgage, currency rate, interest r

of credit

note, loan, letter

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

> Liberty Mutual Insurance Company The Ohio Casualty Insurance Company West American Insurance Company

Certificate No: 8208661-023001

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint. Charles W Floberg, Drew D. Neessen, James Hamlin, John M. Miller, Mason M. Marks, Michael S. Cranston, Nicholas Warren and William M. Smith of Portland, OR; Ronald J. Lange, Charla M. Boadle and Jennifer Barret of Spokane, WA: Abbie A. Bonney, Sandy L. Boswell, Janie Ma, Marie I. Matetich and Sharon Pope of Anchorage, AK. Alec Gumpfer, Andrew Kerslake, Andrew P. Larsen, Deanna M. French, Derek Sabo, Elizabeth R. Hahn, Guy Armfield, Jana M. Roy, John Claeys, Katelyn Cooper, Mindee L. Rankin, Nicholas Fredrickson, Roger Kaltenbach, Scott Fisher, Scott Garcia, Scott McGilvray, Susan B. Larson all of the city of Bellevue state of each individually if there be more than one named, its true and lawful attorney-in-fact to make, WA

execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 29th day of August 2022

INSUR

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State of PENNSYLVANIA County of MONTGOMERY

INSUR

Attorney (POA) verification inquiries, or email HOSUR@libertymutual.com. 29th day of On this August 2022 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

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PAS 0

Commonwealth of Pennsylvania - Notary Seal Teresa Pastella, Notary Public Montgomery County My commission expires March 28, 2025 Commission number 1126044

By:

By: Jeresa Pastella Teresa Pastella, Notary Public

Liberty Mutual Insurance Company

West American Insurance Company

David M. Carey, Assistant Secretary

The Ohio Casualty Insurance Company

Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual ance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety 🗟 call call any and all undertakings, bonds, recognizances and other surety obligations, Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such For bor please instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5, Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surely any and all undertakings. bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C, Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 28th day of March 2023





Kent lules By:

Renee C. Llewellyn, Assistant Secretary

LMS-12873 LMIC OCIC WAIC Multi Co 02/21

Certification of Compliance with Wage Payment Statutes

(Original signed form must be submitted prior to contract award.)



The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date March 1, 2023, the bidder is not a "willful" violator, as defined in RCW

49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

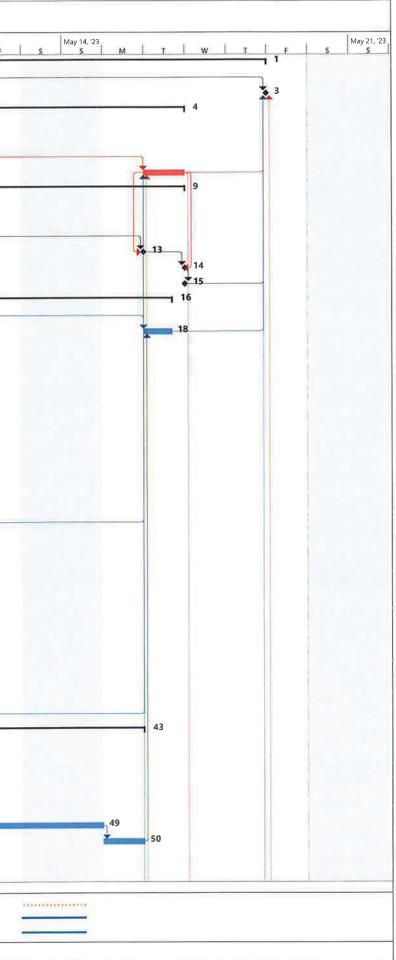
I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

	March 23,2023
Signature of Authorized Official*	Date
Julie Howe	
Printed Name	
Controller	
Title	
Seattle	WA
City	State
Check One:	
Sole Proprietorship 🗆 🦳 Partnership 🗆 🛛 Joi	nt Venture 🗌 Corporation 🛛
State of Incorporation, or if not a corporation,	State where business entity was formed

If a co-partnership, give firm name under which business is transacted:

^{*} If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.

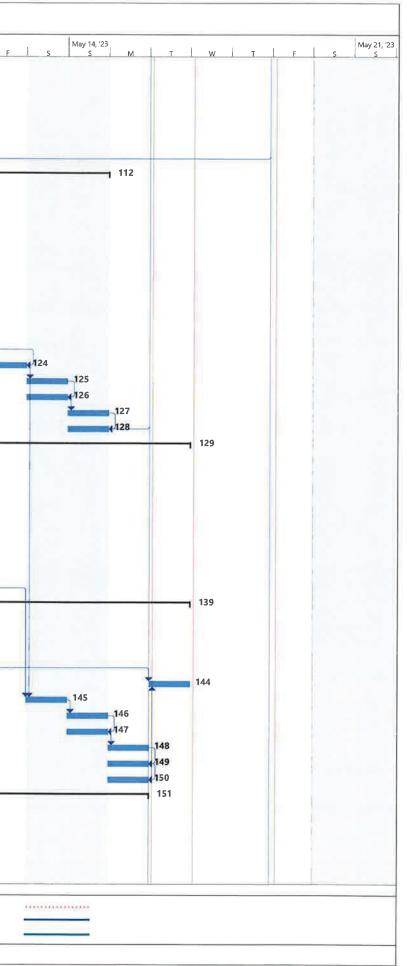
-	Task	Text1	Task Name	Duration	Start	Finish		Apr 30, '23		3 1	F.	22 T ~~	i -	May	7, '23	i -	1	. 1 .
0	Mode		Project Timeline	20 days	Sat 4/29/23	Fri 5/19/23	5	\$	M	T	w	T F	5	s	S N	<u>1 T</u>	w	T
	-		Start of project	0 days		Sat 4/29/23	0.2											
	-		Completion of project	0 days	Fri 5/19/23	Fri 5/19/23												
	-	Item 1	Drydocking	18 days	Sat 4/29/23	Wed 5/17/23		_				_		-				
2		item 1	Build blocks	1 day	Sat 4/29/23	Sun 4/30/23	+											
3	-		Block inspection	1 day	Sat 4/29/23	Sun 4/30/23												
2			Docking	1 day	Sun 4/30/23	Mon 5/1/23				_			_			_		
-	-		Undocking	1 day	Tue 5/16/23	Wed 5/17/23												
		Item 2	Temporary Services	18 days	Sat 4/29/23	Wed 5/17/23								_				
3	-	Teent 2	Hook up pierside	0 days	Sat 4/29/23	Sat 4/29/23	10	-										
3	-		Disconnect	0 days	Sun 4/30/23	Sun 4/30/23		11										
5	-,		Hook up in drydock	0 days	Mon 5/1/23	Mon 5/1/23			12									
1			Disconnect	0 days	Tue 5/16/23	Tue 5/16/23												
			Hook up pierside	0 days		Wed 5/17/23												
2			Disconnect	0 days		Wed 5/17/23												
		ltom 2	Tent Vessel	-	Tue 5/2/23	Tue 5/16/23							_	-				
	-	Item 3	Erect tent	14.81 days 1 day	Tue 5/2/23	Wed 5/3/23					7							
2	-		Remove tent		Tue 5/2/23	Tue 5/16/23												
1 1		lana: A	Remove tent Underwater Hull	1 day	Mon 5/1/23	Wed 5/10/23	1										1 19	
3	-	Item 4		9 days					-	20								
3	-		Set up job site	1 day	Mon 5/1/23	Tue 5/2/23 Tue 5/2/23				21								
2	-		Protection	1 day	Mon 5/1/23					22								
1			HPWW	1 day	Mon 5/1/23	Tue 5/2/23					,23							
3	-		Mechanical prep	2 days	Tue 5/2/23	Thu 5/4/23								24	1			
1	->		Coatings	3 days	Thu 5/4/23	Sun 5/7/23					-	25						
2			1st spot AC	1 day	Thu 5/4/23	Fri 5/5/23							- 26					
1			2nd spot AC	1 day	Fri 5/5/23	Sat 5/6/23						100		27				
1			Full coat AF	1 day	Sat 5/6/23	Sun 5/7/23										28		
1	-		Name and drafts	1 day	Mon 5/8/23	Tue 5/9/23									(î)	29		
3			Remove protection	1 day	Mon 5/8/23	Tue 5/9/23											30	
1	-	_	Pull back and clean up	1 day	Tue 5/9/23	Wed 5/10/23										-	31	
1	-	Item 5	Freeboard	9 days	Mon 5/1/23	Wed 5/10/23				32							1 51	
1	-		Set up job site	1 day	Mon 5/1/23	Tue 5/2/23	11	6		33								
3	-5		Protection	1 day	Mon 5/1/23	Tue 5/2/23		1		34								
3	-		HPWW	1 day	Mon 5/1/23	and the second se				34	35							
	-		Mechanical prep	2 days	Tue 5/2/23	Thu 5/4/23					35			- 15	36			
3	-		Coatings	4 days	Thu 5/4/23	Mon 5/8/23						37						
2	-		1st spot AC	1 day	Thu 5/4/23	Fri 5/5/23					1	137	38					
1	-		2nd spot AC	1 day	Fri 5/5/23	Sat 5/6/23						-	30	1	39			
3	-		Color coat	1 day	Sun 5/7/23	Mon 5/8/23									133	40		
2	-		Name and drafts	1 day	Mon 5/8/23	Tue 5/9/23									8	41		
1	-		Remove protection	1 day	Mon 5/8/23	Tue 5/9/23				1						1	42	
3			Pull back and clean up	1 day	Tue 5/9/23	Wed 5/10/23											**	
	-	Item 6	Deck Preperation	17 days	Sat 4/29/23	Tue 5/16/23	-	44										
			Deliver paint to vessel	1 day	Sat 4/29/23	Sun 4/30/23		44	45									
	=		set up job site	1 day	Sun 4/30/23	Mon 5/1/23			45									
	-		HPWW	1 day	Mon 5/1/23	Tue 5/2/23			the second s	46								
	-		Pull back and clean up	1 day	Tue 5/2/23	Wed 5/3/23					+/	1						
	-		Crew to prep and paint 1/2 of the deck	3 days	Fri 5/5/23	Mon 5/8/23									48			
	-		Crew to prep and paint 1/2 of the deck	3 days	Fri 5/12/23	Mon 5/15/23												
	-		Stipes and markings	1 day	Mon 5/15/23	Tue 5/16/23												
	-	Item 8	Internal Compartments	6 days	Mon 5/1/23	Sun 5/7/23				_				- 5	1			
	-		Set up job site	1 day	Mon 5/1/23	Tue 5/2/23	4			52								
_						Milesters		unation only		-	Start-only	C		Eve	ternal Milestor	ne 🗇		Critical S
: WI	hatcom C	hief Prelim	Task Summary	1		Milestone		iration-only anual Summary	Rollur		Finish-only	3			adline	ne 🗸		Progress
	3/28/23		Split Project Summary	8	Inactive	Summary i	R IAIS	muai summary	Nonuh		r man-only			De		-		9, - 33



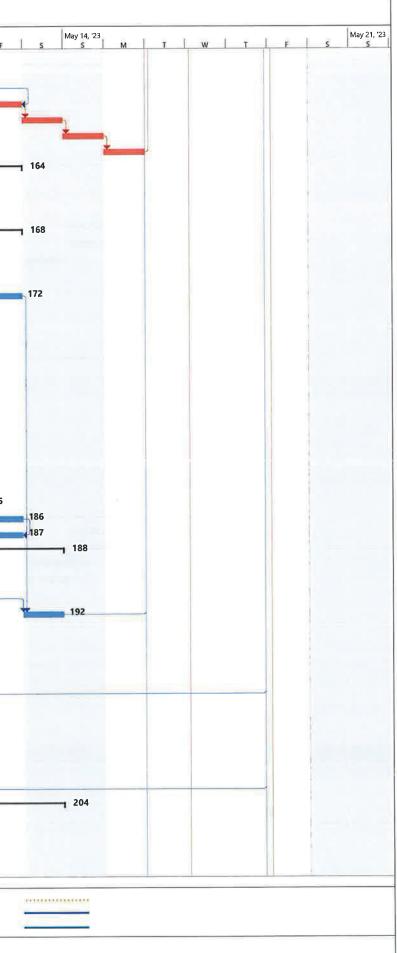
	Task	Text1	Task Name	Duration	Start Finish	Apr 30, '23 May 14, 23	
53	Mode		Remove interferences				F S May
, ,			HPWW	1 day 1 day	Mon 5/1/23 Tue 5/2/23 Tue 5/2/23 Wed 5/3/23	54	-
;			Mechanical prep	2 days	Wed 5/3/23 Fri 5/5/23	55	
5			Spot coat	1 day	Fri 5/5/23 Sat 5/6/23	56	
7			Pull back and clean up	1 day	Sat 5/6/23 Sun 5/7/23	57	
3		Item 9	Sea Valves and Sea Chest Maintenance	11 days	Sat 4/29/23 Wed 5/10/23	58	
9	-		Operational testing	1 day	Sat 4/29/23 Sun 4/30/23	59	
0	-		Set up job site	1 day	Sat 4/29/23 Sun 4/30/23	60	
1	-		5" Valve	8 days	Sun 4/30/23 Mon 5/8/23	61	
2	-3		Remove interferences	1 day	Sun 4/30/23 Mon 5/1/23	62	
3	-3		Remove valve	1 day	Sun 4/30/23 Mon 5/1/23	,63	
4	-		Inspect and prep flanges	1 day	Mon 5/1/23 Tue 5/2/23	64	
5			Overhaul valve	1 day	Tue 5/2/23 Wed 5/3/23	65	
6	-4		Reinstall valve	1 day	Sat 5/6/23 Sun 5/7/23	66	
7			Reinstall interferences	1 day	Sun 5/7/23 Mon 5/8/23	67	
8			2" Valve	8 days	Sun 4/30/23 Mon 5/8/23	68	
9	-		Remove interferences	1 day	Sun 4/30/23 Mon 5/1/23	69	
0			Open and inspect valve	1 day	Sun 4/30/23 Mon 5/1/23	->	
1	-4		Submit CFR	1 day	Sun 4/30/23 Mon 5/1/23	71	
2			Reassemble valve	1 day	Sat 5/6/23 Sun 5/7/23	72	
3			Reinstall interferences	1 day	Sun 5/7/23 Mon 5/8/23	73	
4			Sea Strainers	8 days	Sun 4/30/23 Mon 5/8/23	74	
5	-4		Remove interferences	1 day	Sun 4/30/23 Mon 5/1/23	75	
5			Open and inspect strainer	1 day	Mon 5/1/23 Tue 5/2/23	76	
,	-		Submit CFR	1 day	Mon 5/1/23 Tue 5/2/23	77	
3	-		Close strainers	1 day	Sat 5/6/23 Sun 5/7/23	78	
9	-		Reinstall interferences	1 day	Sun 5/7/23 Mon 5/8/23	79	
0	-		Piping	4 days	Tue 5/2/23 Sat 5/6/23	80	
1	-		Remove interferences	1 day	Tue 5/2/23 Wed 5/3/23	Noneman 81	
12			Remove piping	1 day	Wed 5/3/23 Thu 5/4/23	82	
3			Clean and inspect flanges	1 day	Wed 5/3/23 Thu 5/4/23	83	
4	-		Submit CFR	1 day	Thu 5/4/23 Fri 5/5/23	84	
5	-		Reinstall piping	1 day	Fri 5/5/23 Sat 5/6/23	85	
6	-5		Reinstall interferences	1 day	Fri 5/5/23 Sat 5/6/23	86	
1			Prep and paint disturbed	1 day	Mon 5/8/23 Tue 5/9/23	87	
8			Pull back and clean up	1 day	Mon 5/8/23 Tue 5/9/23	88	
9			Monitor during undocking	1 day	Tue 5/9/23 Wed 5/10/23	89	
0	-		Operational testing	1 day	Tue 5/9/23 Wed 5/10/23	90	
1	-	Item 10	Replace All Zincs	5 days	Mon 5/1/23 Sat 5/6/23	1 91	
2			Make a zinc map	1 day	Mon 5/1/23 Tue 5/2/23	92	
3	-		Set up job site	1 day	Tue 5/2/23 Wed 5/3/23	93	
4			Remove existing zincs	1 day	Tue 5/2/23 Wed 5/3/23	94	
5			Order new zincs	1 day	Wed 5/3/23 Thu 5/4/23	95	
6			Install new zincs	1 day	Thu 5/4/23 Fri 5/5/23	96	
7			Prep and paint disturbed	1 day	Fri 5/5/23 Sat 5/6/23	97	
8	-		Pull back and clean up	1 day	Frl 5/5/23 Sat 5/6/23	98	
€	-9	Item 11	Channel Coolers	9 days	Sat 4/29/23 Mon 5/8/23	99	
00	-		Operational testing	1 day	Sat 4/29/23 Sun 4/30/23		
)1	-5		Set up job site	1 day	Sat 4/29/23 Sun 4/30/23		
02	-3		Disconnect piping from engines	1 day	Sun 4/30/23 Mon 5/1/23		
03	-		Set up to pressure test	1 day	Sun 4/30/23 Mon 5/1/23	103	
04	-		Perform pressure testing	1 day	Mon 5/1/23 Tue 5/2/23	104	
_			Tack		the star with some 2		
		chief Prelimi	Task Summary Split Project Summa		Inactive Milestone	Duration-only Start-only E External Milestone & Critical Split	
to: Tur	3/28/23		Spine in the internet of the summary spine in the summary set of the s	7	mactive summary	Manual Summary Rollup Finish-only] Deadline + Progress	

-	Task	Text1	Task Name	Duration	Start	Finish	Apr 30, '23	J			May 7, '23	
Ø	Mode		Culture CED	1 1		F.	S S	М Т	<u>w</u> t	F	S S M	T W
	-		Submit CFR	1 day	Mon 5/1/23	Tue 5/2/23	1	105	100			¥0
5	-		Drain system	1 day	Tue 5/2/23	Wed 5/3/23			106			
7			Flush	1 day	Wed 5/3/23	Thu 5/4/23			107	100		
3			Connect to engines	1 day	Thu 5/4/23	Fri 5/5/23		1		108		
9	-3		Fill systems	1 day	Fri 5/5/23	Sat 5/6/23					109	
0			Operational testing	1 day	Sat 5/6/23	Sun 5/7/23	t.				110	
1			Pull back and clean up	1 day	Sun 5/7/23	Mon 5/8/23	1				111	
2		Item 12	Inspect and Repair Propellers	14 days	Mon 5/1/23	Mon 5/15/23		-				
3	-3		Set up job site	1 day	Mon 5/1/23	Tue 5/2/23	1 6	113				
4			Visual inspection	1 day	Mon 5/1/23	Tue 5/2/23	4	114				
			Submit CFR	1 day	Tue 5/2/23	Wed 5/3/23			115			
5			Remove dunce cap	1 day	Tue 5/2/23	Wed 5/3/23			116			
7			Remove rope guard	1 day	Wed 5/3/23	Thu 5/4/23	1		117			
3	-		Remove props	1 day	Fri 5/5/23	Sat 5/6/23				****		
9			Clean and inspect	1 day	Sat 5/6/23	Sun 5/7/23				1	119	
	=;		Submit CFR	1 day	Sat 5/6/23	Sun 5/7/23	1				120	
	-		Send props out for inspection	1 day	Sun 5/7/23	Mon 5/8/23					121	
2	-		Send props out for blue fit	1 day	Mon 5/8/23	Tue 5/9/23					*	122
3	-		Receive props	1 day	Tue 5/9/23	Wed 5/10/23	4					123
4	-		Install props	1 day	Fri 5/12/23	Sat 5/13/23		1				
5			Install dunce cap	1 day	Sat 5/13/23	Sun 5/14/23						
26	-		Reinstall rope guards	1 day	Sat 5/13/23	Sun 5/14/23						
27	-		Prep and paint disturbed	1 day		Mon 5/15/23		1				
28	-		Pull back and clean up	1 day	Sun 5/14/23	Mon 5/15/23						
9	-	Item 13	Rudders	16 days	Mon 5/1/23	Wed 5/17/23						
0	-		Operational testing	1 day	Mon 5/1/23	Tue 5/2/23		-				
1	-		Submit CFR	1 day	Mon 5/1/23	Tue 5/2/23						
2	-		Set up job site	1 day	Tue 5/2/23	Wed 5/3/23		1				
3						a construction of the second second	1					
4			Install padeyes	1 day	Tue 5/2/23	Wed 5/3/23						
-	-		Hang gear	1 day	Tue 5/2/23	Wed 5/3/23			1			
15	-		Disconnect internally	1 day	Wed 5/3/23	Thu 5/4/23						
6 7	-		Lower rudders	1 day	Thu 5/4/23	Fri 5/5/23						
_			Clean and inspect	1 day	Fri 5/5/23	Sat 5/6/23		1			137	
8			Submit CFR	1 day	Fri 5/5/23	Sat 5/6/23					138	
Э	-9		Rudder Feedback Units	16 days		Wed 5/17/23						
	-5		Disconnect	1 day	Mon 5/1/23	Tue 5/2/23		140				
1			Remove	1 day	Tue 5/2/23	Wed 5/3/23		ř	141			
2			Prep and paint disturbed	1 day		Thu 5/4/23		1	142			
3			Install new units	1 day	Thu 5/4/23	Fri 5/5/23		1	ř.	143		
4			Groom	1 day	Tue 5/16/23	Wed 5/17/23						
5			Install rudders	1 day	Sat 5/13/23	Sun 5/14/23	÷					
6			Connect internally	1 day	Sun 5/14/23	Mon 5/15/23						
7	-		Remove padeyes	1 day	Sun 5/14/23	Mon 5/15/23						
8	-		Prep and paint disturbed	1 day	Mon 5/15/23	Tue 5/16/23						
9	-5		Pull back and clean up	1 day	Mon 5/15/23	The Add and the Second Second Second						
0	-		Operational testing	1 day	Mon 5/15/23	E CHANGE HER EN HER EN						
51	-	Item 14	Intermediate Shaft Bearings Maintenance	15 days	Mon 5/1/23							
2	-,		Set up job site	1 day	Mon 5/1/23	Tue 5/2/23		152				
1	-,		Remove top caps	1 day		Tue 5/2/23		153				
1	-		Hang gear	1 day	Tue 5/2/23	Wed 5/3/23		+	154			
5			Disconnect line shafts	1 day	Tue 5/2/23	Wed 5/3/23			155			
6									156			
1			Rig out of the way	1 day	Tue 5/2/23	Wed 5/3/23	1					
			Task Summary		Innetice	Milestone	Duration-only	-	Start-only	7.45		\$
*	/hatcom Cl	nief Prelimi	Split Project Summary			Milestone Summary	Manual Summary F	Rollup	Finish-only	C 3	External Milestone	
.e: Tue	3/28/23					-	-	windb			Deadline	+
			Milestone Milestone Inactive Task		Manual	Fask to the second s	Manual Summary		External Tasks	and the second second	Critical	1

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MIC	de la	Text1	Task Name	Duration	Start	Finish
	Mode		Clean and inspect	1 day	Wed 5/3/23	Thu 5/4/23
	-		Submit CFR	1 day	Wed 5/3/23	Thu 5/4/23
•	-		Rig shafts back in	1 day	Thu 5/4/23	Fri 5/5/23
)	-		Connect line shafts	1 day	Fri 5/12/23	Sat 5/13/23
1	-		Remove gear	1 day	Sat 5/13/23	Sun 5/14/23
2			Install caps	1 day	Sun 5/14/23	Mon 5/15/23
3			Pull back and clean up	1 day		Tue 5/16/23
		Itom 1E	Tailshafts and Tailshaft Bearings	14 days	Sat 4/29/23	Sat 5/13/23
4	-	Item 15				Sun 4/30/23
5	-9		Operational testing	1 day	Sat 4/29/23	
5			Submit CFR	1 day	Sat 4/29/23	Sun 4/30/23
7	- 9		Set up job site	1 day	Mon 5/1/23	Tue 5/2/23
в	- 5		Shaft Seals	10 days	Wed 5/3/23	Sat 5/13/23
9	-9		Disassemble	1 day	Wed 5/3/23	Thu 5/4/23
C			Remove	1 day	Wed 5/3/23	Thu 5/4/23
1	-		Reinstall	1 day	Wed 5/10/23	Thu 5/11/23
2			Reassemble	1 day	Fri 5/12/23	Sat 5/13/23
3			Install padeyes	1 day	Tue 5/2/23	Wed 5/3/23
4			Hang gear	1 day	Tue 5/2/23	Wed 5/3/23
_			Remove coupling bolts			Thu 5/4/23
5				1 day	Wed 5/3/23	
6			Slide shafts back	1 day	Wed 5/3/23	Thu 5/4/23
7	-		Remove couplings	1 day	Thu 5/4/23	Fri 5/5/23
8	-6		Remove shafts	1 day	Sat 5/6/23	Sun 5/7/23
9	-9		Send shafts out for inspection	2 days	Sun 5/7/23	Tue 5/9/23
0	-3		Clean and inspect	1 day	Tue 5/9/23	Wed 5/10/23
1	-3		Submit CFR	1 day	Tue 5/9/23	Wed 5/10/23
2			Reinstall shafts	1 day	Wed 5/10/23	Thu 5/11/23
3	-		Install couplings	1 day	Wed 5/10/23	Thu 5/11/23
4			Slide shafts in	1 day	Thu 5/11/23	Fri 5/12/23
5	-		Install coupling bolts	1 day	Thu 5/11/23	Fri 5/12/23
6	-		Prep and paint disturbed	1 day	Fri 5/12/23	Sat 5/13/23
			Pull back and clean up	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fri 5/12/23	Sat 5/13/23
7				1 day		
8		Item 16		10 days	Thu 5/4/23	Sun 5/14/23
9			Set up job site	1 day	Thu 5/4/23	Fri 5/5/23
0			Clean and inspect	1 day	Thu 5/4/23	Fri 5/5/23
1	-5		Submit CFR	1 day	Thu 5/4/23	Fri 5/5/23
2			Operational testing	1 day	Sat 5/13/23	Sun 5/14/23
3	-	Item 17	Annual Radar and Radio Maintenance	4 days	Sat 4/29/23	Wed 5/3/23
4			Operational testing	1 day	Sat 4/29/23	Sun 4/30/23
5	-5		Submit CFR	1 day	Sun 4/30/23	Mon 5/1/23
6	-		Clean and inspect	1 day	Mon 5/1/23	Tue 5/2/23
07	-		Submit CFR	1 day	Tue 5/2/23	Wed 5/3/23
8		Item 18		5 days	Sat 4/29/23	Thu 5/4/23
		Item 10				Sun 4/30/23
9	-		Operational testing	1 day	Sat 4/29/23	
00	-		Submit CFR	1 day	Sun 4/30/23	
01			Remove existing zincs	1 day	Mon 5/1/23	
)2			Install new	1 day	Tue 5/2/23	Wed 5/3/23
)3			Groom	1 day	Wed 5/3/23	Thu 5/4/23
04	-	Item 19	Main Engine and Generator Maintenance	15 days	Sat 4/29/23	Sun 5/14/23
05	-		Operational testing	1 day	Sat 4/29/23	Sun 4/30/23
06	-		Submit CFR	1 day	Sat 4/29/23	Sun 4/30/23
07	-		Set up job site	1 day	Sun 4/30/23	Mon 5/1/23
08	-		Main Engines	10 days	Mon 5/1/23	Thu 5/11/23
	7					
	_		Task Summary		Inactive	e Milestone
	Mhatcom	h Chief Prelim	nil			
oject: W	in laceonin		Split Project Summa		Ibertschessteinstein in the	e Summary 🕴



	Task	Text1	Task Name	Duration	Start	Finish		Τ.	3.28.23							
C	Mod						F S	Apr 30, '23	MITW	TE	May 7, '23	м	WTF	May 14, '23	TWIT	F S
9	->		Drain liquids	1 day	Mon 5/1/23	Tue 5/2/23			209							
0			Remove interferences	1 day	Mon 5/1/23	Tue 5/2/23			1210							
1	-		Disconnect engines	1 day	Tue 5/2/23	Wed 5/3/23			211							
2			Rig as needed	1 day	Tue 5/2/23	Wed 5/3/23			212							
3			Preform overhaul	4 days	Wed 5/3/23	Sun 5/7/23					213					
4	-		Rig back into place	1 day	Sun 5/7/23	Mon 5/8/23					1	14				
_	-		Connect engines	1 day	Sun 5/7/23	Mon 5/8/23					42	15				
5	-		Reinstall interferences	1 day	Mon 5/8/23	Tue 5/9/23					-	216				
7			Fill systems	1 day	Mon 5/8/23	Tue 5/9/23					-	217				
B			Reinstall interferences	1 day	Tue 5/9/23	Wed 5/10/23						T.	218			
9			Start up and testing	1 day	Wed 5/10/23								219			
0	-		Generators	2 days	Sat 4/29/23	Mon 5/1/23	1		220							
1	-		Perform tune ups as directed	1 day		Sun 4/30/23	8	221								l l
2	-		Start up and testing	1 day	Sun 4/30/23	Mon 5/1/23		2	22							-
3			Flowscan Piping	9 days	Sat 4/29/23	Mon 5/8/23	1				1 2	223				
4			Operational testing	1 day		Sun 4/30/23		224								
5	-		Submit CFR	1 day	Sun 4/30/23	Mon 5/1/23		22	25							
6			Set up job site	1 day	Mon 5/1/23	Tue 5/2/23			226							
7	->		Remove	1 day	Tue 5/2/23	Wed 5/3/23			227							
8			Install new piping and hoses	2 days		Fri 5/5/23				228						
9			Prep and paint disturbed	1 day	Fri 5/5/23	Sat 5/6/23				Termenter (229					
0			Operational testing	1 day	Sat 5/6/23	Sun 5/7/23				Ĩ	230					
1	-,		Pull back and clean up	1 day	Sun 5/7/23	Mon 5/8/23	1				2	31				
2	-\$		New gauge panels	6 days		Fri 5/5/23	t -			1 232						
3	-3		Disconnect	1 day		Sun 4/30/23	1 and 1	233								
4	- 4		Secure wiring	1 day		Mon 5/1/23		23	34							1. 1
5	-		Remove existing panels	1 day		Tue 5/2/23			235							
6			Install new panels	1 day	Tue 5/2/23	Wed 5/3/23			236							
7	-		Install new cabling as needed	1 day		Thu 5/4/23	1			237						
8			Connect wiring	1 day		Fri 5/5/23				238						-
9			Operational testing	1 day		Fri 5/12/23							239			
0	-		Prep and paint disturbed	1 day		Sat 5/13/23		i i					*	240		
			Pull back and clean up	1 day		Sun 5/14/23)	241		
2		Item 20		4 days		Wed 5/3/23	1		1 242							
3			Operational testing	1 day	Sat 4/29/23	COLORING COLORING COLORING		243								
4	-		Submit CFR	1 day	Sun 4/30/23	The second second second second		24								
5	-		Perform maintenance as directed	1 day	Mon 5/1/23				245							
5			Operational testing	1 day		Wed 5/3/23			246							
7	-	Item 21		4 days	Sat 4/29/23				1 247							
			Operational testing	1 day	Sat 4/29/23			248								
	-		Submit CFR	1 day	Sun 4/30/23			24								
	-		Perform additional testing	1 day	Mon 5/1/23				250							
	*	14	Submit CFR	1 day		Wed 5/3/23			251							
-	-	Item 22		3 days		Wed 5/10/23						1	252			
_			Set up job site	1 day		Mon 5/8/23					The second se					
	-		HPWW	1 day		Mon 5/8/23										
+	-		Inspection	1 day	Mon 5/8/23						-					
-	-		Submit CFR	1 day	Mon 5/8/23											
-	-		Pull back and clean up	1 day		Wed 5/10/23						in the second se				
	-	Item 23	0 1	12 days	Sat 4/29/23		t						258			
))	-		Operational testing	1 day	Sat 4/29/23			259								
	-		Submit CFR	1 day	Sun 4/30/23	Mon 5/1/23		26								
	Vhater	Chief Dealla	Task Summary		I Inactive M	Ailestone	Di	uration-only	Start-o	nly E	External Milesto	one 💿	Critical Split	100000000000000000000000000000000000000		
	Vhatcom 2 3/28/23	Chief Prelimi	Split Project Summary	1	I Inactive S	Summary E		anual Summary Rollup			Deadline	+	Progress			
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U	Mode		Pumps	7 days	Mon 5/1/23	Mon 5/8/23	s	s s	M	1 1	W T	F	5	1 261								
	-		Disconect	1 day	Mon 5/1/23		1	1	T	262												
			Remove	1 day	Tue 5/2/23	Wed 5/3/23				26	3											
	-		Send out for overhaul	3 days	Wed 5/3/23			_		*			264									
	-		Reinstall	1 day	Sat 5/6/23	Sun 5/7/23	1					1	26	5								
	-		Connect	1 day	Sun 5/7/23	Mon 5/8/23	1						-	266								
	-		Install Flow Alarms	3 days	Mon 5/1/23	Thu 5/4/23		1			267											
			Install new penetration	1 day	Mon 5/1/23	Tue 5/2/23	1		Terr men	268												
	-		Run new cabling as needed	1 day	Tue 5/2/23	Wed 5/3/23	1			26	9											
			Connect cabling	1 day	Wed 5/3/23	Thu 5/4/23				Ť	270	_	_									
			Audio Visual Alarm System	3 days	Mon 5/1/23	Thu 5/4/23					271			1								
			Purchase panel	1 day	Mon 5/1/23	Tue 5/2/23			*	272												
			Install panel	1 day	Tue 5/2/23	Wed 5/3/23	1			27	3											
			Connect cabling	1 day	Wed 5/3/23	Thu 5/4/23	1			*	274	_	_	-								
			Replace Mismatched Materials	6 days	Mon 5/1/23					_		_	1 27	75								
			Operational testing	1 day	Mon 5/1/23				T	276												
	-		Submit CFR	1 day	Mon 5/1/23					277												
	-		Set up job site	1 day	Tue 5/2/23	Wed 5/3/23				27	8											
	-		Remove existing piping	1 day	Tue 5/2/23	Wed 5/3/23				27	9											
			Order new materials	1 day	Wed 5/3/23	Thu 5/4/23			1	*	280											
-			Install new piping	1 day	Thu 5/4/23	Fri 5/5/23		-			*	281					_					
			Prep and paint disturbed	1 day	Fri 5/5/23	Sat 5/6/23	1					*	282									1
	-1		Pull back and clean up	1 day	Sat 5/6/23	Sun 5/7/23						i	28	3								
	-5		Operational testing	1 day	Mon 5/8/23	Tue 5/9/23	1							*	284							
			Prep and paint disturbed	1 day	Tue 5/9/23	Wed 5/10/23									*	285						
	-		Pull back and clean up	1 day		3 Thu 5/11/23			1							286						
-	-	Item 24	Install New Shaft Tachometers	9 days	Sat 4/29/23	Mon 5/8/23		_						- 287								
1	-		Operational testing	1 day	Sat 4/29/23	Sun 4/30/23	Trees	288														
	100		Submit CFR	1 day	Sat 4/29/23	Sun 4/30/23		289														
1	-		Engine Room	5 days	Sun 4/30/23	Fri 5/5/23		-	-			-1 290										li
	-		Set up job site	1 day	Sun 4/30/23	Mon 5/1/23		-	291													
1			Remove existing system	1 day	Mon 5/1/23	Tue 5/2/23			*	292												
1			Install new system	3 days	Tue 5/2/23	Fri 5/5/23	1			*		293										b —
	-5		Pilothouse	3 days	Sun 4/30/23	Wed 5/3/23		-		1 2	94											
			Set up job site	1 day	Sun 4/30/23	Mon 5/1/23		1 martine	295													
1			Remove existing gauges	1 day	Mon 5/1/23	Tue 5/2/23	4.2		1	296												
1	-		Install new gauges	1 day	Tue 5/2/23	Wed 5/3/23				29	7											
1	-		Cabling	2 days	Sun 4/30/23	Tue 5/2/23	6	r 	1	- 298												
	-		Install new cabling as needed	1 day	Sun 4/30/23	Mon 5/1/23		Y	299													
	=		Connect cabling	1 day	Mon 5/1/23				Ť	300												
_	-		Operational testing	1 day	Fri 5/5/23	Sat 5/6/23						Y	301									
	-		Prep and paint disturbed	1 day	Sat 5/6/23	Sun 5/7/23							30									
	-		Pull back and clean up	1 day	Sun 5/7/23								pine .	303								
		Item 2	Install NFU Steering Controls	6 days		Sun 5/7/23			1				1 3	U 4								
	-		Set up job site	1 day	Mon 5/1/23	the second se			-	305		30.5										
	-		Pilothouse Modification	3 days	Tue 5/2/23					-		306										
	-		Controls	3 days	Tue 5/2/23							307										
	-4		Remove existing	1 day	Tue 5/2/23					3	80											
	-9		Modify as needed	1 day		Thu 5/4/23				1	309	240										
	-6		Install new controls	1 day	Thu 5/4/23							310										
	-9		Control Panel	3 days	Tue 5/2/23					1		311										
	-		Disconnect existing cabling	1 day	Tue 5/2/23	Wed 5/3/23				3	12											
-									_			-	_		e 🗞	Critical S	olit	A Second Second				
ct: \	Whatcom	Chief Preli	ni Task Summary			ve Milestone		Duration-only	Dell		Start-only	E I		cternal Mileston	e ∨ ∎	Progress						
	e 3/28/23		Split Project Summ	ary P	Inact	ive Summary	1	Manual Summary	r Kollup 💼		Finish-only	3	D	eadline	•	riogres						

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0	Task Mode	Text1	Task Name	Duration	Start	Finish	Apr 30, '23 May 7, '23 May 7, '23 F S M T F S M T F S May 14, '23 313 313 313 S M T F S M T F S M T F S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S M T F S S S S M </th
13	-		Remove panel	1 day	Wed 5/3/23	Thu 5/4/23	313 313 M 1 W 1 P S
4			Install new panel	1 day	Thu 5/4/23	Fri 5/5/23	314
5	-3		Cabling	2 days	Tue 5/2/23	Thu 5/4/23	315
6			Run new cabling as needed	1 day	Tue 5/2/23	Wed 5/3/23	316
7			Perform connections	1 day	Wed 5/3/23	Thu 5/4/23	317
8			Operational testing	1 day	Fri 5/5/23	Sat 5/6/23	318
19	-5		Prep and paint disturbed	1 day	Sat 5/6/23	Sun 5/7/23	319
20	-9		Pull back and clean up	1 day	Sat 5/6/23	Sun 5/7/23	4320
1		Item 26	Replace Searchlights	10 days	Sat 4/29/23	Tue 5/9/23	1 321
22	=;		Order new searchlights	1 day	Sat 4/29/23	Sun 4/30/23	322
:3	۳.,		Operational testing	1 day	Mon 5/1/23	Tue 5/2/23	323
4	-		Submit CFR	1 day	Mon 5/1/23	Tue 5/2/23	324
.5			Set up job site	1 day	Tue 5/2/23	Wed 5/3/23	325
:6	-		Remove interferences	1 day	Tue 5/2/23	Wed 5/3/23	326
27	-		Remove existing cabling	1 day	Wed 5/3/23	Thu 5/4/23	327
8	-		Remove existing searchlights	1 day	Wed 5/3/23	Thu 5/4/23	328
9			Fabricate adapter plates as needed	1 day	Thu 5/4/23	Fri 5/5/23	329
0	-		Mount new searchlights	1 day	Thu 5/4/23	Fri 5/5/23	330
1			Run new cabling as needed	1 day	Fri 5/5/23	Sat 5/6/23	331
2	-		Connect cabling	1 day	Sat 5/6/23	Sun 5/7/23	332
3	-		Operational testing	1 day	Sat 5/6/23	Sun 5/7/23	4333
4			Prep and paint disturbed	1 day	Sun 5/7/23	Mon 5/8/23	334
5	-		Reinstall interferences	1 day			335
6	-	10.0	Pull back and clean up	1 day	Mon 5/8/23	Tue 5/9/23	4336
7		Item 27	Void Vents	9 days		Mon 5/8/23	337
8			Vents	5 days	Mon 5/1/23	Sat 5/6/23	1 338
9	-		Make a vent list	1 day		Tue 5/2/23	339
0	-		Remove guts from vents	1 day	Tue 5/2/23	Wed 5/3/23	340
1	-,		Clean and inspect	1 day		Thu 5/4/23	341
2			Submit CFR	1 day	Thu 5/4/23	Fri 5/5/23	342
3	-		Reassemble vents	1 day	Fri 5/5/23	Sat 5/6/23	343
4	-		Fan	6 days	Sat 4/29/23	Fri 5/5/23	344
5	-		Order new fans	1 day		Sun 4/30/23	345
6	1		Install new junction box	1 day	Sun 4/30/23		346
7			Run new cables from fans to junction box	1 day	Mon 5/1/23		347
8	-		Run power to junction box	1 day	Mon 5/1/23		348
9			Connect cabling	1 day	Tue 5/2/23	Wed 5/3/23	349
0	-		Fabricate fan mounts	1 day		Thu 5/4/23	350
1			Install fan mounts	1 day	Thu 5/4/23	Fri 5/5/23	351
2	-		Operational testing	1 day		Fri 5/5/23	4352
3	-		Prep and paint disturbed	1 day	Sat 5/6/23	Sun 5/7/23	353
4			Pull back and clean up	1 day	Sun 5/7/23	Mon 5/8/23	354
5	-	Item 28	Steering Gear Bilge Suctions	8 days	Mon 5/1/23		355
5			Operational testing	1 day	Mon 5/1/23	Tue 5/2/23	356
7	-3		Submit CFR	1 day	Tue 5/2/23	Wed 5/3/23	357
3	-		Set up job site	1 day		Wed 5/3/23	4358
			Valves	4 days	Wed 5/3/23	Sun 5/7/23	n 359
)			Open, clean, inspect	2 days		Fri 5/5/23	360
	-		Submit CFR	1 day	Frī 5/5/23	Sat 5/6/23	361
2			Close back up	1 day	Sat 5/6/23	Sun 5/7/23	362
3	-		Actuators	3 days	Wed 5/3/23	Sat 5/6/23	r 363
-	-3		Disassemble	1 day	Wed 5/3/23	Thu 5/4/23	364
	ateor C	biof Drokert	Task Summary		Inactive	Milestone	Duration-only Start-only E External Milestone \diamond Critical Split
ject: Wh e: Tue 3,		hief Prelimi	Split Project Summary		1 Inactive	Summary	Manual Summary Rollup Finish-only Deadline + Progress
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	Task	Text1	Task Name	Duration	Start	Finish	e 11 ×	Apr 30, '23	630 H	21 H 200	1 8 7	a 1	May 7	,'23	1 . 1 .	w] т
0	Mode		Clean and inspect	1 day	Thu 5/4/23	Fri 5/5/23	F S	S	M	TW	Y	365	S S	M	1 1 1 8	<u>x</u>
-			Reassemble	1 day	Fri 5/5/23	Sat 5/6/23					1	-	366			
			Operational testing	1 day	Sun 5/7/23	Mon 5/8/23							**	367		
-			Prep and paint disturbed	1 day	Mon 5/8/23	Tue 5/9/23								+	368	
			Pull back and clean up	1 day	Mon 5/8/23	Tue 5/9/23								Contract of the	369	
-		Item 29	Engine Room Ventilation Modifications	9 days	Sat 4/29/23	Mon 5/8/23						_		1 370		
		item 29	Operational testing	1 day	Sat 4/29/23	Sun 4/30/23	-	371								
1		5	Submit CFR	1 day	Sat 4/29/23	Sun 4/30/23		4372								
-			Set up job site	1 day	Sat 4/29/23	Sun 4/30/23		373								
-			Layout new penetrations	1 day	Sun 4/30/23	Mon 5/1/23	1.	*	374							
4 5			Remove interferences	1 day	Sun 4/30/23	Mon 5/1/23	1		375							
5	-		Crop out	1 day	Mon 5/1/23	Tue 5/2/23			37	76						
7			Prep and paint disturbed	1 day	Tue 5/2/23	Wed 5/3/23			.*	377						
3	=		Fabricate new vent	1 day	Tue 5/2/23	Wed 5/3/23				378						
			Install new venting	1 day	Wed 5/3/23	Thu 5/4/23				-	379					
			Prep and paint disturbed	1 day	Thu 5/4/23	Fri 5/5/23					*	380				
			Install insulation as needed	1 day	Fri 5/5/23	Sat 5/6/23						*	381			
2			Reinstall interferences	1 day	Sat 5/6/23	Sun 5/7/23							382	,		
3			Prep and paint disturbed	1 day	Sun 5/7/23	Mon 5/8/23								383		
4			Pull back and clean up	1 day	Sun 5/7/23	Mon 5/8/23)	384		
5		Item 30	Replace Passenger Cabin Window	8 days	Sat 4/29/23	Sun 5/7/23							38	5		
6		item 50	Remove interferences	1 day	Sat 4/29/23	Sun 4/30/23	+	386								
7			Disassemble window and frame	1 day	Sun 4/30/23	Mon 5/1/23		*	387							
38			Order new glass	1 day	Mon 5/1/23	Tue 5/2/23			31	88						
9			Clean and inspect	1 day	Tue 5/2/23	Wed 5/3/23			*	389						
0			Submit CFR	1 day	Wed 5/3/23	Thu 5/4/23				*	390					
1			Install new glass	1 day	Thu 5/4/23	Fri 5/5/23					*	391				
2			Reinstall interferences	1 day	Fri 5/5/23	Sat 5/6/23						+	392			
93			Pull back and clean up	1 day	Sat 5/6/23	Sun 5/7/23						9	393	£.		
4		Item 31	New Cable Penetrations	9 days	Sat 4/29/23	Mon 5/8/23						_		394		
95		Itelli 51	Layout new penetrations	1 day	Sat 4/29/23	Sun 4/30/23	÷	395								
6			Set up job site	1 day	Sun 4/30/23			*	396							
7			Remove interferences	1 day	Mon 5/1/23				3	97						
98			Crop out	1 day	Tue 5/2/23	Wed 5/3/23	1		*	398						
99			Prep for installation	1 day	Wed 5/3/23		1			*	399					
00			Install new penetrations	1 day	Thu 5/4/23	Fri 5/5/23					*	400				
01	-		Prep and paint disturbed	1 day	Fri 5/5/23	Sat 5/6/23						*	401			
)2			Reinstall interferences	1 day	Sat 5/6/23	Sun 5/7/23							402	2		
03			Pull back and clean up	1 day	Sun 5/7/23	Mon 5/8/23							-	403		
04		Item 32	Electrical Support	3 days	Sat 4/29/23				1 4	404						
)5			Electrical inspections	1 day	Sat 4/29/23	Sun 4/30/23	+	405								
)6	-		Gather information from other items	1 day	Sun 4/30/23			*	406							
)7	-		Provide information as requested	1 day	Mon 5/1/23				4	07				_		
08	-	Item 33	Condition and Value Survey	3 days	Mon 5/1/23			1	-		408					
)9	-		Perform visual inspections	1 day	Mon 5/1/23				4	09						
10	-		Take and record UT shots	1 day	Tue 5/2/23	Wed 5/3/23			-	410						
1	-		Submit CFR	1 day	Wed 5/3/23	Thu 5/4/23				*	411			_		
2	-	Item 34	Dock and Sea Trials	18 days	Mon 5/1/23					_			-			
3	-	-	Submit dock and sea trial adgenda	1 day		Tue 5/2/23			× 4	13						
14	=		Dock trials	1 day		3 Thu 5/18/23										
15	-		Sea trials	1 day		Fri 5/19/23										
1	11 M.															
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~	Vhatcom (a 3/28/23	Chief Prelimi	Split Project Summar	-	1 Inactin	ve Summary	1	lanual Summary F	Rollup		ish-only	Э		adline	+	Prog
i ut	. 3/20/23		Milestone Inactive Task		Мари	al Task 🛛 📕		lanual Summary		Ex	ternal Tasks	1	Cri	tical	9	Man

